# *DOE/NNSA Defense Programs Lessons Learned Program Initiatives*

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October 17, 2000

DOE Society for Effective  Lessons Learned Sharing

Cambridge, Massachusetts

# *NNSA/DP LESSONS LEARNED MISSION*

Facilitate consistent and timely Lessons Learned information sharing throughout management and across functional areas to reduce risk, improve efficiency, and enhance cost effectiveness of DP processes and operations.

# DP Lessons Learned Goals

- Compliance with DOE FRAM
  - DP is Required to Implement the LL Program

- Create Effective Lessons Learned (LL) Program that
  - Utilizes and Incorporates LL in Daily Tasks

- Enhance Two -Way LL Communication -Push Products

- Monitor and Coordinate Internal and External LL
  - Sources(e.g., EH, SELLS, GIDEP, etc.)

- Prepare LL documents as requested from DP Customers

# *Three-Phase Process*

- Research and Scoping

- Program Development

- Implementation

# *Research and Scoping*

## Information Collection Sources:

- DOE Programs
- National Laboratories
- Non-DOE (Federal)
- Private Industry
- Military
- Foreign

# *Research and Scoping*

## Analysis of Lessons Learned Programs

- Web Site Review (42 sites)
- Personal Contact with LL Coordinators
- Document Review and Comparison
  - DOE -STD-7501-99 The DOE Corporate Lessons Learned Program

  - DOE-HDBK-7502-95 Implementing U.S. Department of Energy Lessons Learned Program

  - Literature Review

  - Meeting Presentation Materials

# *Research and Scoping*

- Scoping of Incentive Programs for LL
  Web Sites
  Documentation

- Metrics Review
  Short Term
  Long Term (Performance Measures)

# *WEB Survey Chart*

**Lessons Learned Information Survey from Web LL Sites**

Column groups: DOE Sites/Programs | National Laboratories | Non-DOE | Private | Military | Foreign

Column headers:
- Society for Effective LL (SELLS)
- Hanford
- Lockheed Martin/Oak Ridge
- E.SH (TIS)
- Nevada Operations
- Office of Nuclear & Facility Safety
- EM
- Fernald Envir Management Project
- Oakland
- Accident Investigation Program LL
- Richland
- Savannah River
- National Environmental Policy Act (NEPA)
- Energy Efficiency & Renewal Network (ERIN)
- Argonne NL
- Idaho Nat. Engineering & Environmental Lab
- Brookhaven NL
- Lawrence Berkely NL
- Lawrence Livermore NL
- Los Alamos
- Sandia NL
- Oak Ridge NL
- Federal Transit Administration (DOT)
- NASA
- NASA Goddard Space Flight Center (RECALL)
- NIST
- CPSC
- GIDEP
- Benton Foundation
- Software Program Managers Network
- SAIC
- Extreme Programming LL
- US Airforce
- US Army Center for Army LL (CALL)
- US Army Center for Engineers LL (CEILL)
- Coast Guard Prevention Through People (PTP)
- US Navy NAVFAC
- Defense System Management College
- Canada ALLC
- United Nations
- ABCA Coalition Operation II (COLL)
- KALIF – The Netherlands

## Information Categories

### Organization

### Access
- Restricted
- General Public

### Basic Elements
- Clear statement of lesson
- Summary
- Benefits
- Contact Information
- Key Data Fields (Search)

### Information Collection
- Formal Process
- Technical Review Process
- Process Flow Diagram
- Security Review
- Online
- POC
- Other Site (Data)
- Metrics

### Dissemination
- Document
- Web Site
- LIST Server
- e-mail
- Fact Sheets/Bulletins/Alerts
- Meetings/Briefings

### Report Format
- Title
- Identifier
- Lesson Learned Statement
- Discussion of Activities
- Analysis
- Recommended Actions
- Estimated Savings/Cost Avoidance
- Priority Descriptor
- User-Defined Category
- Hazards
- ISM Core Function
- Originator
- Authorized Derivative Classifier
- Reviewing Officer
- Keywords
- References

### Subject Areas Covered
- Safety & Health
- Environment
- Project Management
- Cost/Savings
- Operations
- Construction
- Policy

DP Lessons Learned Program
SELLS Cambridge October 2000

# *Program Development*

## Web Site Components

- User Profiles
- Search Capability
- Links to Other LL Web Sites
- Lessons Learned Submittals

# *Lessons Learned Criteria*

### Lesson Format

**Title**
**Date Issued**
**Lesson Statement**
**Discussion**
**Analysis**
**Actions**
**References**

### Retrieval Aids

**Function/Work Activity(ies)**
**Hazard(s)**
**ISM Core Function(s)**
**ID number**
**Priority Descriptor**
**Originator**
**Keywords**

# *Implementation*

- Notification/Subscription (DP-HQ 1st)
- Dissemination of Lessons Learned
- Performance Metrics
- Training
- Schedule

# *Status*

- Research & Scoping Completed

- Program Development
    - Web Site Prototype -Under Development
        - Profile Modification in Progress
        - Search Capabilities Continued
    - Submit Lessons Screening Underway
    - Development of DP Lessons Learned Initiated
    - Testing

- Implementation (roll out)

# *For More Information on DP Lessons Learned Program*

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